

STAFF REPORT

Date: April 28, 2021

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: **B.6. Staff Report (For Possible Action): Approval of Agreement with Carollo Engineers, Inc. (Carollo) for the Truckee Meadows Water Reclamation Facility Aeration Tank Evaluation and Rehabilitation Project in the amount of \$287,253 with Reno's share being \$197,141.73. (Sewer Fund)**

From: Matt Smith, Associate Civil Engineer

Summary: This Agreement with Carollo is to evaluate and design improvements, and develop contract documents for the Truckee Meadows Water Reclamation Facility's (TMWRF) aeration tank systems. Carollo designed the 2006 expansion of the TMWRF facility, and their familiarity with the plant and the associated aeration system makes them a qualified engineering consultant for this project. Staff recommends Council approve this Agreement with Carollo as described in an amount not to exceed \$287,253 (Reno's share being \$197,141.73 from the Sewer Fund).

Previous Council Action: There is no recent Council action relevant to this item.

Background: TMWRF was built in 1964 and is jointly owned by the Cities of Reno and Sparks. TMWRF has several treatment units (processes) containing pipes, pumps, and concrete infrastructure which require routine maintenance and replacement as necessary to keep processes performing properly.

As part of the TMWRF Capital Improvement Program (CIP) "risk ranking" of infrastructure, TMWRF and City of Reno staff identify project priorities, condition, and risk of failure. The aeration system has not been evaluated, and this effort by Carollo will provide an evaluation of system condition. This project is included in this Fiscal Year's CIP as approved by the TMWRF's Joint Coordinating Committee.

Discussion: Since the 2006 TMWRF plant expansion, there has not been an evaluation or rehabilitation of the aeration tanks and aeration system. With this agreement, Carollo will evaluate and prepare a report for the entire aeration system. Carollo will then prepare improvement plans and specifications for bidding, and provide bidding assistance for cleaning of five aeration tanks and replacement of the membrane diffusers in one of the aeration tanks.

Financial Implications: The City of Reno will administer the agreement and will be reimbursed by the City of Sparks for a portion of the costs as described in the cost sharing agreement for TMWRF operation and maintenance. The City of Reno and the City of Sparks share the cost of this project as follows: 68.63 percent for Reno and 31.37 percent for Sparks, as shown in Table 1. Costs for the City of Reno are budgeted in the Sewer Fund. This project is included in the TMWRF Capital Improvement Plan approved by the Joint Coordinating Committee (JCC).

Table 1 - Cost Sharing Between Reno and Sparks

Total Cost of Agreement	Reno Share	Sparks Share
\$287,253	\$197,141.73	\$90,111.27
Percentages	68.63%	31.37%

Legal Implications: The parties are bound by the terms of the agreement as prepared by the Office of the City Attorney.

Recommendation: Staff recommends Council approval of the consultant agreement with Carollo Engineers, Inc., for the TMWRF Aeration Tank Evaluation and Rehabilitation Project in an amount not to exceed \$287,253, with the City of Reno's portion being \$197,141.73 (Sewer Fund), and authorize the Mayor to sign.

Proposed Motion: I move to approve staff recommendation.

Attachments:

- Area & Vicinity Map for Aeration Tank Rehab Project (PDF)
- Agreement with Carollo Aeration Tank Design - Carollo Signed (PDF)
- TMWRF CIP FY21 Funded Projects - January 8th Pre-Brief (PDF)